

PATENT  
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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Kazufumi OGAWA et al.  
Serial No.: 07/824,287  
Filed : January 23, 1992  
Title : WATER- AND -OIL REPELLING ADSORBED FILM

Art Unit: 1508  
Examiner: Watkins

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Commissioner of Patents and Trademarks  
Washington, DC 20231

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SUPPLEMENTAL AMENDMENT UNDER 37 CFR 1.116

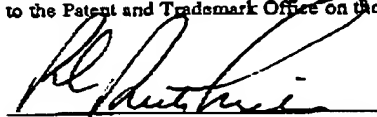
In accordance with the telephone conferences with  
Examiner Watkins held October 20 and 21, 1993, please amend this  
application as follows:

IN THE CLAIMS

1. (Three Times Amended) A water and oil repelling film on a substrate surface comprising a chemically adsorbed film, the water and oil repelling film having an outer surface having irregularities [exceeding 10 nanometers] from about 0.1 to about 50 microns in size, said chemically adsorbed film being bonded by covalent bonds to said substrate surface, and said chemically adsorbed film being a monomolecular or polymer film comprising a plurality of -CF<sub>3</sub> [group] groups and a plurality of siloxane [group] groups wherein the -CF<sub>3</sub> [group] groups are at the outer surface of the chemically adsorbed film, and wherein the water wetting angle of said chemically adsorbed film is at least about 130 degrees.

Date of Deposit October 21, 1993

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office on the date indicated above.

  
Barry E. Bretschneider, Reg. No. 28,055